



New Monoclonal Antibodies to Defined Cell Surface Proteins on Human Pluripotent Stem Cells.

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Authors: Carmel M O'Brien, Hun S Chy, Qi Zhou, Shiri Blumenfeld, Jack W Lambshead, Xiaodong

Liu, Joshua Kie, Bianca D Capaldo, Tung-Liang Chung, Timothy E Adams, Tram Phan, John D Bentley, William J McKinstry, Karen Oliva, Paul J McMurrick, Yu-Chieh Wang, Fernando J Rossello, Geoffrey J Lindeman, Di Chen, Thierry Jarde, Amander T Clark, Helen E Abud, Jane E

Visvader, Christian M Nefzger, Jose M Polo, Jeanne F Loring, Andrew L Laslett

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Public Summary:

The study and application of human pluripotent stem cells (hPSCs) will be enhanced by the availability of well-characterized monoclonal antibodies (mAbs) detecting cell-surface epitopes. Here, we report generation of seven new mAbs that detect cell surface proteins present on live and fixed human ES cells (hESCs) and human iPS cells (hiPSCs), confirming our previous prediction that these proteins were present on the cell surface of hPSCs. The mAbs reported here should accelerate the investigation of the nature of pluripotency, and enable development of robust cell separation and tracing technologies to enrich or deplete for hPSCs and other human stem and somatic cell types. Stem Cells 2017;35:626-640.

Scientific Abstract:

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